

GRADUATION PREPARATION PROCESS FOR FACULTY OF SCIENCE AND TECHNOLOGY STUDENTS SUAN SUNANDHA RAJABHAT UNIVERSITY

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Abstract.

The purpose of this research is 1) To establish a graduation preparation process for students 2) To study the criteria, regulations, and rules for graduation of the Faculty of Science and Technology, Suan Sunandha Rajabhat University 3) To provide opinions on the preparation for graduation of the Faculty of Science and Technology. The research is divided into two parts: Part 1 is making and collecting detailed information on the graduation preparation process of Faculty of Science and Technology to be organized into categories to have a clear and accurate process pattern. Part 2 sets a questionnaire and survey opinion about the graduation preparation process for students. The samples were the 3rd year students of the Faculty of Science and Technology. There were 10 programs separated into 225 samples. The statistics used in the data analysis were descriptive statistics, percentage, mean, and standard deviation. The researchers found that the opinion on the graduation preparation process of students in all two aspects as a whole. Considering each aspect, knowledge in the graduation preparation process are at a good level. There are opinions on the topics as follows. Process and method for applying for graduation have the highest value, and Checking academic performance and subject accuracy according to the curriculum structure have the lowest value. For considering aspects the effectiveness of the graduation preparation process is at a good level. There are opinions on the topics as follows. Forms used are clear and easy to understand have the highest value, and the format of the process is detailed and complete has the lowest value.

Keywords: Graduation process, Graduation Preparation Process, Graduation Criteria

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INTRODUCTION

Graduation is the most important thing to any student entering university. Every student has the desire to study and graduate on time. But in the current situation, there are many students who are unable to graduate on time due to incorrect study of the subjects, subjects not complete according to the curriculum, lack of qualifications for graduation, late graduation applying and mistakes in the graduation applying process. All problems arise because students still have an inaccurate and incomplete understanding of graduation. Lack of education and attention in studying, and students are not aware of the criteria, regulations and rules. Such as the criteria for applying for graduation, knowledge Graduation Criteria and graduation on time including studying subjects according to the curriculum structure. The above problems have very detailed criteria. It is combined with other regulations of students, and without informing the students including the operating staff is not separated into a clear process.

However, the researcher was aware of the problem of students which not being able to graduate on time and making mistakes and used knowledge about factors related to the late finishing Study (Kaewsomboon, W.et.al, 2014). Thus, it has created a graduation preparation process. Compilation of graduation criteria, including the process and method for applying graduation, so that students can be used to prepare in further graduation.

OBJECTIVES

1. To establish a graduation preparation process for students
2. To study the criteria, regulations and rules for graduation of the Faculty of Science and Technology Suan Sunandha Rajabhat University
3. To provide opinion on the graduation preparation process of the Faculty of Science and Technology

METHODS

A. Population and Sampling size

The population used in the research was all the 3rd year students of the Faculty of Science and Technology, Suan Sunandha Rajabhat University. There are 10 programs of 513 people.

The Sampling size was the 3rd year students of Faculty of Science and Technology using the calculating method of Taro Yamane as 225 samples (Yamane, T. 1973).

B. Research Tools

Research Tools is a questionnaire on the opinion about graduation preparation process for students. This questionnaire is inquiries by using the questionnaire open-end and close end questions.

C. Data Analysis

The questionnaire was distributed to the 3rd year student of the Faculty of Science and Technology in sampling size. The questionnaire was distributed by randomly and sent to students as 225 samples. The questionnaires were analyzed statistically by using a computer statistical software program to calculate the statistics. Descriptive statistics were used to explain the personal factors of the students of the Faculty of Science and Technology.

D. Opinion level standard

Opinion level standard can be divided value by a range. Each range is 5 levels. Criteria used to interpret information according to Likert Scale method (Likert, R. 1967). Each scale is divided into 5 levels. The value range is meaning as follows.

Value range of 4.21 -5.00, meaning of the level of opinion is very good. Value range of 3.41 -4.20, meaning of the level of opinion is good. Value range of 2.61 -3.40, meaning of the level of opinion is fair.

Value range of 1.81 -2.60, meaning of the level of opinion is poor. Value range of 1.00 -1.80, meaning of the level of opinion is not very poor.

RESULTS AND DISCUSSION

The graduation preparation process solves the problem of students not graduating on time due to mistakes in enrollment. Lack of study planning and not passing graduation criteria on time. Therefore, we have designed the graduation preparation process for this research into 2 parts.

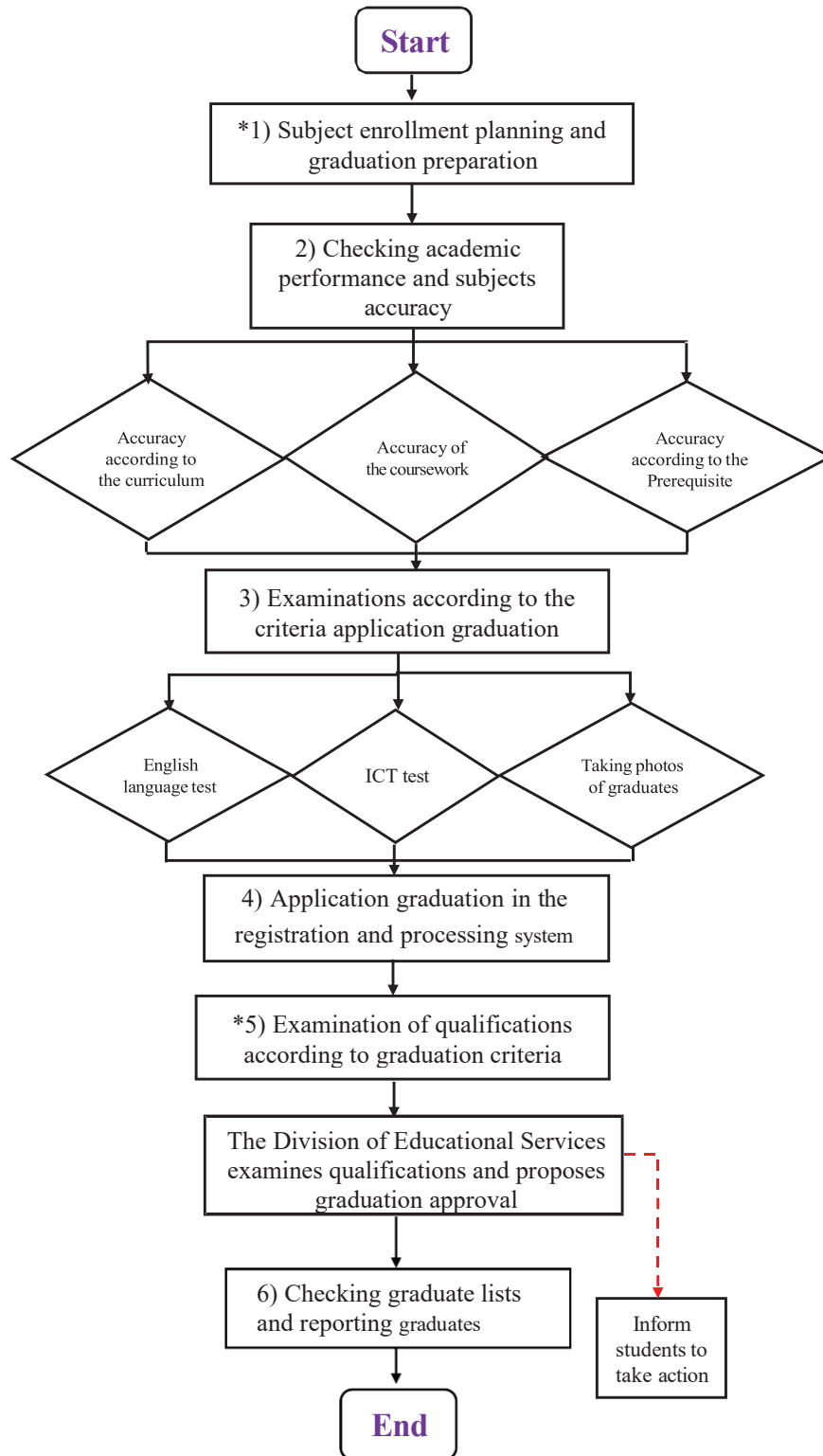
Part 1 Graduation Preparation Process

The graduation preparation process for students is designed by brainstorming the opinions of the Educational Services and related agencies. It is considered alongside the importance of the subject according to the student's curriculum structure. Graduation Criteria, Regulations, and Rules. It can divide it into 2 topics: Methods and details of graduation preparation procedures and dissemination and implementation

Methods and details of graduation preparation procedures

It can be compiled into a flowchart as shown in Figure 1

Figure 1: Graduation Preparation Procedures



Remark: The above flowchart has the important points of the process No. 1 and No. 5 as described in detail as follows:

No.*1) Subject enrollment planning and graduation preparation

- Attending graduation preparation training
- Enrollment of subjects from the curriculum
- Meeting with the advisor every semester
- Bringing a graduation preparation form to verify grades at least 1 year prior to graduation
- Study of graduation criteria and related regulations
- Graduate qualification test according to graduation criteria No.*5) Examination of qualifications according to graduation criteria.
- Passing the subjects and completing the curriculum structure
- Passing the average grades according to the graduation criteria.
- Passing of English language test and Information Technology) ICT) test criteria.
- Having a good conducting score of at least 80 points.
- Having normal student status and no arrears of fees or other charges.

Dissemination and implementation

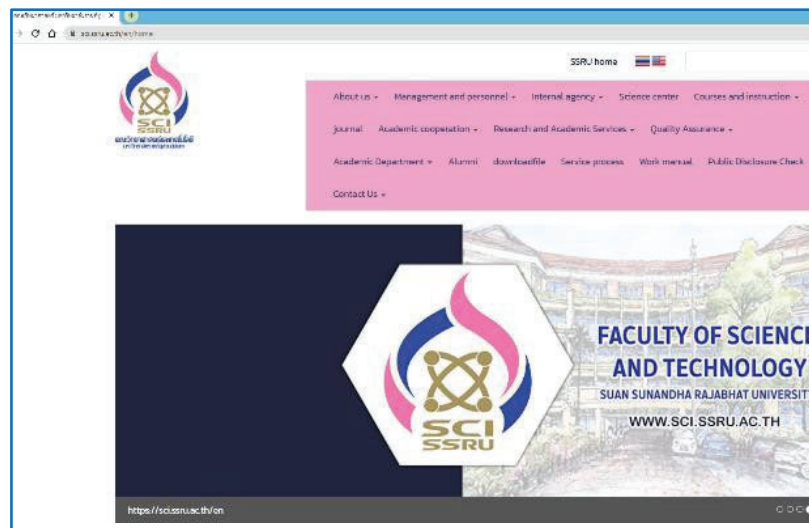
The graduation preparation process is displayed on the Faculty of Science and Technology website. Which is shown as a menu of the graduation preparation process in the Education Services Department and students can study and use it on the following topics

1. Graduation preparation process flowchart
2. Criteria for applying for graduation in the registration and processing system
3. Graduation Criteria
4. Procedures for applying for graduation in the registration system
5. Subject examination form according to the curriculum structure and application details
6. Graduation preparation form and application details
7. Graduate Lists and Graduate Reporting Procedures

Dissemination of the above process. Students can enter the application process in the following method.

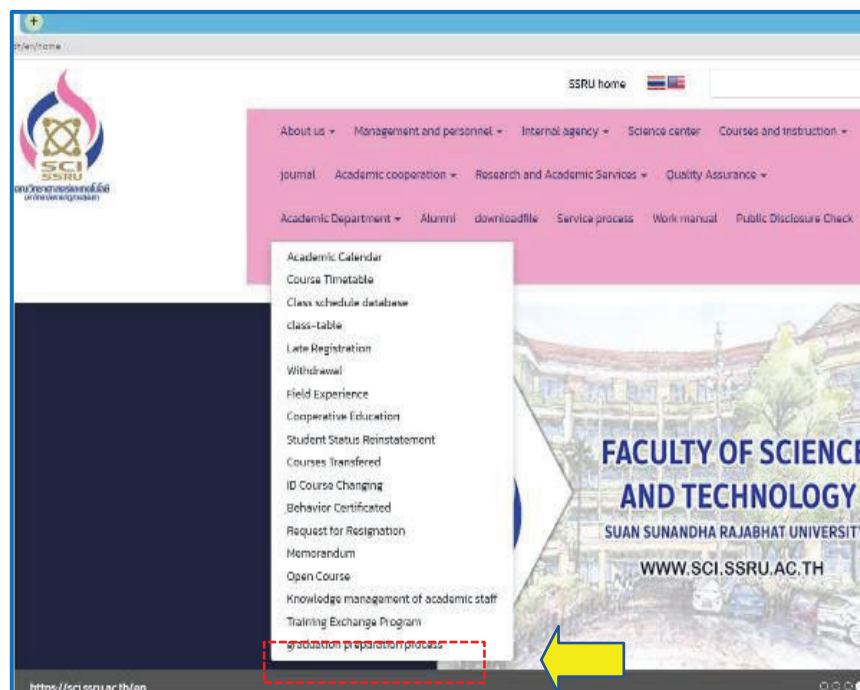
- 1) Entering the Faculty of Science and Technology website and selecting the main menu bar at the work academic services as shown in Figure 2.

Figure 2: Faculty of Science and Technology website



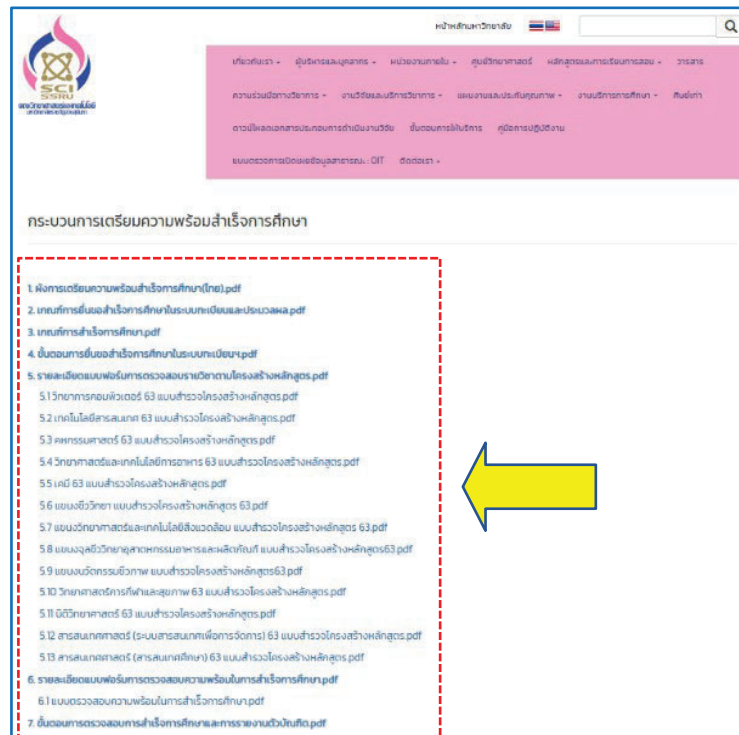
2) Click on the sub-tab of the graduation preparation process to access the full details of the process as shown in Figure 3.

Figure 3: Click on the sub-tab of the graduation preparation process



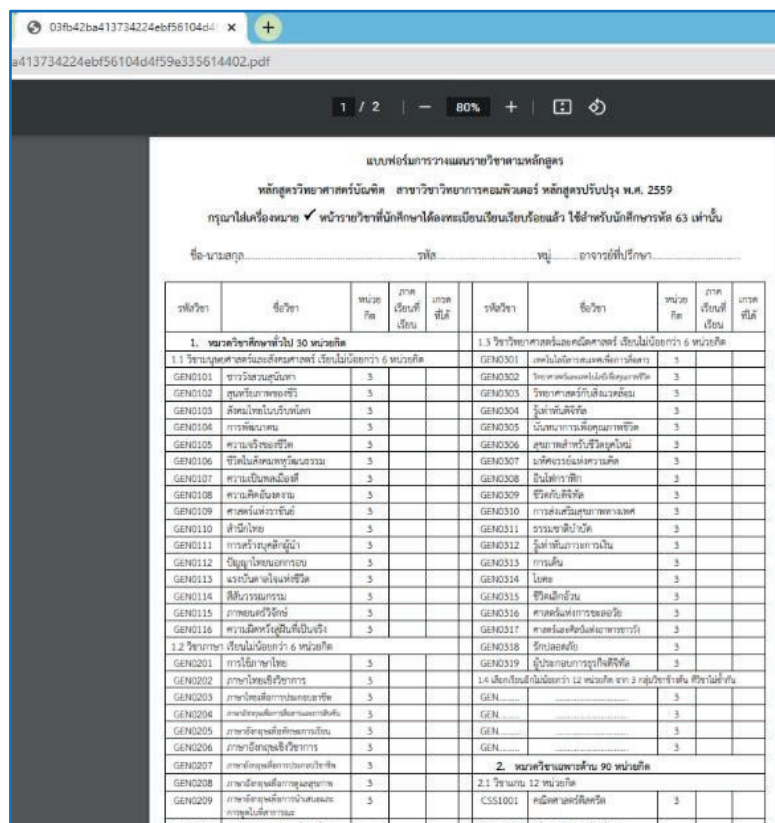
3) Choose a topic to study the graduation preparation process by sorting through all the topics as shown in Figure 4.

Figure 4: Choose a topic to study the graduation preparation process




4) Students can use the subject examination form according to the curriculum structure by clicking to download specific to the student's curriculum as shown in Figure 5.

Figure 5: The subject examination form according to the curriculum structure



5) Students can use the graduation preparation form by clicking download to use it as shown in Figure 6.

Figure 6: the graduation preparation form


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**แบบตรวจสอบความพร้อมในการสำเร็จการศึกษา
คณะวิทยาศาสตร์และเทคโนโลยี มหาวิทยาลัยราชภัฏสกลนคร**

วันที่เก็บบันทึกข้อมูล

ข้อมูลทั่วไป

ชื่อ - นามสกุลนักศึกษา รหัสประจำตัว

ชั้นปี ภาควิชา สาขาวิชา

แผนกวิชา (ถ้ามี) คณะ

สถาบันภาคเรียนสุดท้ายของตนเอง ที่จะมีวิชาลงทะเบียนครบ คือ (เช่น 1/2565) /

การยื่นขอสำเร็จการศึกษาในระบบ คือ รร.สจ.สท. ภาคเรียนที่ / ปีในวันที่

แสดงการอนุมัติจบการศึกษาในระบบแล้วหน้า วันที่

การตรวจสอบผลการเรียนตามโครงสร้างหลักสูตร

หัวข้อการตรวจสอบ	ข้อมูลปัจจุบัน
1. จำนวนหน่วยกิต ครบตามหลักสูตรโครงสร้างหลักสูตร 1) มีผลการเรียนครบทุกวิชาหรือไม่	กำลังจะครบ ภาคเรียนที่ /
2) รายละเอียดของรายวิชาตามหมวดและกลุ่มวิชา 2.1) หมวดศึกษาศาสตร์ทั่วไป 30 หน่วยกิต	ครบแล้ว / จะครบเมื่อไร /
2.2) หมวดวิชาเฉพาะด้าน	ครบแล้ว / จะครบเมื่อไร /
- กลุ่มวิชาแกน หน่วยกิต
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- กลุ่มวิชาฝึกประสบการณ์วิชาชีพ หน่วยกิต
- กลุ่มวิชาชั้นอื่นๆ (ถ้ามี) หน่วยกิต

Part 2 The opinion on the graduation preparation process of the Faculty of Science and Technology

The 3rd year students filled questionnaire already opinions on the preparation for graduation. The researchers analyzed data of student opinion in all two aspects such as knowledge in the graduation preparation process and the effectiveness of the graduation preparation process.

We consider each aspect, considering the 1st aspect of knowledge in the graduation preparation process as follows in Table 1

Table 1 Mean and standard deviation of opinions on knowledge in the graduation preparation process of students, Faculty of Science and Technology

Knowledge in the graduation preparation process	Opinion Levels		
	Mean \bar{x}	Standard Deviation S.D.	Interpretation
1. Subject enrollment planning and graduation preparation	3.96	0.421	Good
2. Checking academic performance and subjects accuracy according to the curriculum structure	3.78	0.495	Good
3. Knowledge according to the criteria for application graduation	3.99	0.448	Good
4. Knowledge according to graduation criteria	4.05	0.435	Good
5. Process and method for application for graduation	4.21	0.449	Very good
6. Checking graduate lists and reporting graduates	3.88	0.428	Good
Total knowledge in the graduation preparation process	3.979	0.466	Good

From Table 1 The result that shows aspect knowledge in the graduation preparation process in level good. The mean was 3.979 and the standard deviation was 0.466. In addition, if you consider each topic, you found the highest value topic was Process and Method for applying for graduation in level very good. It was a mean of 4.21 and the standard deviation was 0.449. The secondary value topic was Knowledge according to graduation criteria in level good. It was a mean of 4.05 and the standard deviation was 0.435. The lowest value topic was Checking academic performance and subject accuracy according to the curriculum structure in level good. It was a mean of 3.78 and the standard deviation was 0.495.

The result of considering the 2nd aspect of The effectiveness of the graduation preparation process as follows in Table 2

Table 2 Mean and standard deviation of opinions on the effectiveness of the graduation preparation process of students, Faculty of Science and Technology

The effectiveness of the graduation preparation process	Opinion Levels		
	Mean \bar{x}	Standard Deviation S.D.	Interpretation
1. The process is accurate and appropriate	4.17	0.420	Good
2. The format of the process is detailed and complete	3.98	0.406	Good
3. Forms used are clear and easy to understand	4.31	0.472	Very good
4. .Easy access to information, content, and forms	4.22	0.414	Very good
5 .Having steps that can be taken to prepare for graduation effectively	4.16	0.434	Good
Total The effectiveness of the graduation preparation process	4.166	0.442	Good

From Table 2 The result that shows aspect The Effectiveness of the graduation Preparation process in level good. The mean was 4.166 and the standard deviation was 0.442. In addition, if you consider each topic, you found the highest value topic was Forms used are clear and easy to understand in level very good. It was a mean of 4.31 and the standard deviation was 0.472. The secondary value topic was Easy access to information, content, and forms in level very good. It was a mean of 4.22 and the standard deviation was 0.414. The lowest value topic was The Format of the process is detailed and complete in level good. It was a mean of 3.98 and the standard deviation was 0.406.

Summary of Opinions on the preparation for graduation of students of both aspects as follows in Table 3

Table 3 Mean and standard deviation of Opinion on the graduation preparation process of students, Faculty of Science and Technology

Opinion on the graduation preparation process	Opinion Levels		
	Mean \bar{x}	Standard Deviation S.D.	Interpretation
1. Knowledge in the graduation preparation process	3.979	0.466	Good
2. The Effectiveness of the graduation Preparation process	4.166	0.442	Good
Total opinion on the graduation preparation process	4.064	0.465	Good

From Table 3 From Analysis of the summary that shows Total opinion on the graduation preparation process in level good. The mean was 4.064 and the standard deviation was 0.465.

The highest value aspect was The Effectiveness of the graduation Preparation process in level good. It was a mean of 4.166 and the standard deviation was 0.442.

CONCLUSIONS AND FUTURE WORK

In conclusion, the researchers used knowledge about students' satisfaction towards instruction at Suan Sunandha Rajabhat University (Pongsena, S. et.al, 2019). and the factors affecting graduation of graduate students Chiang Mai Rajabhat University (Rojchanawutthithum, N., 2021). to be reference some information. In another part, we have compiled all the knowledge about the criteria for applying for graduation, knowledge of graduation criteria, and graduation on time including studying subjects according to the curriculum structure. All of which are used to design the graduation preparation process and the details of the procedure, the method for applying graduation, including the form used to check preparation graduation. It is installed on the Faculty of Science and Technology website.

The researchers asked opinion on the graduation preparation process of students. The questionnaire is completed by using 225 students of the 3rd year from Faculty of Science and Technology. Then the questionnaire was analyzed and processed using a computer program to calculate the statistics such as percentage, mean, and standard deviation. From the research results, the total opinion on the graduation preparation process is level good. We summarized and concluded each aspect. Students gain knowledge in the 1st aspect of the graduation preparation process. It consists of 6 topics which are as follows: Process and method for application for graduation, Knowledge according to graduation criteria, Knowledge according to the criteria for application graduation Subject enrollment planning and graduation preparation, Checking graduate lists and reporting graduates, and Checking academic performance and Subjects accuracy according to the curriculum structure. From all the topics of this aspect, students have the opinion that they have gained knowledge and increased understanding. The 2nd aspect of The effectiveness of the graduation preparation process consists of 5 topics which are as follows: Forms used are clear and easy to understand Easy access to information content and forms, The process is accurate and appropriate, Having steps that can be taken to prepare for graduation effectively, and The format of the process is detailed and complete. From all the topics of this aspect, students have the opinion that the effectiveness of the graduation preparation process can be implemented correctly and efficiently. It can download inspection forms easily and is convenient to use.

The benefits of the research are that it supports students to plan their graduation on time. Having an understanding of study planning correctly and be able to apply knowledge related to graduation to prioritize in preparing for graduation effectively. In addition, students have easy access to various graduation-related checking forms by quickly and applied correctly and appropriately.

A limitation of the graduation preparation process is that the graduation schedules must be updated every semester. The subject name in the subject examination form according to the curriculum structure must be updated to match the student's curriculum according to the year of admission because on average the curriculum changes 3 - 5 years per time. As well as controlling the results of passing according to the graduation criteria depending on the student, it can affect the delayed graduation.

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